

Attorney Reference: 121939-04298105
Client Reference: PE-Sintering/US

**DECLARATION AND POWER OF ATTORNEY
RULE 63 (37 C.F.R. 1.63) FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the **INVENTION ENTITLED:**

SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE

the specification of which: (check one applicable box)

A. ☐ is attached hereto.

B. ☐ was filed on _____

as U.S. Application No. _____ /

C. ☒ was filed as PCT International Application No. PCT/IB03/00636 on 24 January 2003

and (if applicable to U.S. or PCT application) was amended on _____

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:

PRIOR FOREIGN APPLICATION(S)

<u>Application/Patent Number</u>	<u>Country</u>	<u>Day/Month/Year filed</u>	<u>Date first laid open/published</u>	<u>Patent/Grant date</u>	<u>No priority claimed</u>

If more prior foreign applications, X box at bottom and continue on attached page.

Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application:

PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S)

<u>Application Number</u>	<u>Day/Month/Year filed</u>	<u>Status (pending/abandoned/patented)</u>	<u>No priority claimed</u>
60/352,208	29 January 2002	abandoned	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon;

And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer Number the names of persons no longer with their firm, to add new persons of their firm to that Customer Number, and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.

**USE ONLY FOR
MAYER BROWN ROWE & MAW LLP
WASHINGTON, D.C.**

000043569

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Paul	Smith
First	Middle Initial	Family Name
Residence	Zurich	Switzerland
City	State/Foreign Country	Country of Citizenship
Mailing Address	Huttensteig 10, CH-8006 Zurich, Switzerland	

(2) INVENTOR'S SIGNATURE:

Date:

Name	Jeroen	Visjager
First	Middle Initial	Family Name
Residence	Cleves	Ohio
City	State/Foreign Country	Country of Citizenship
Mailing Address	3819 Bremen Pass, Cleves, OH 45002	

☒ FOR ADDITIONAL INVENTORS, see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

DECLARATION AND POWER OF ATTORNEY (continued)
ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date: May 1st, 2006

Name	Theo		Tervoort
	First	Middle Initial	Family Name
Residence	Zurich	Switzerland	The Netherlands
	City	State/Foreign Country	Country of Citizenship
Mailing Address	Culmannstrasse 27, CH-8006 ,Zurich, Switzerland		

(4) INVENTOR'S SIGNATURE:

Date:

Name			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

(5) INVENTOR'S SIGNATURE:

Date:

Name			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

(6) INVENTOR'S SIGNATURE:

Date:

Name			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

(7) INVENTOR'S SIGNATURE:

Date:

Name			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

(8) INVENTOR'S SIGNATURE:

Date:

Name			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

(9) INVENTOR'S SIGNATURE:

Date:

Name			
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Residence			
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Mailing Address			

(10) INVENTOR'S SIGNATURE:

Date:

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Attorney Reference: 121939-04298105
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PRIOR FOREIGN APPLICATION(S)

Application/Patent Number	Country	Day/Month/Year filed	Date first laid open/published	Patent/Grant date	No priority claimed

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And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer Number the names of persons no longer with their firm, to add new persons of their firm to that Customer Number, and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.

USE ONLY FOR
MAYER BROWN ROWE & MAW LLP
WASHINGTON, D.C.

000043569

(Customer No. for communications)

(1) INVENTOR'S SIGNATURE:

Date:

Name	Paul	Smith
First	Middle Initial	Family Name
Residence	Zurich	Switzerland
City	State/Foreign Country	Country of Citizenship
Mailing Address	Huttensteig 10, CH/8006 Zurich, Switzerland	

(2) INVENTOR'S SIGNATURE:

Date: 06/ April /2006

Name	Jeroen	Visjager
First	Middle Initial	Family Name
Residence	Cleves	Ohio
City	State/Foreign Country	Country of Citizenship
Mailing Address	3819 Bremen Pass, Cleves, OH 45002	

☒ FOR ADDITIONAL INVENTORS, see attached page.

☐ See additional foreign priorities on attached page (incorporated herein by reference).

DECLARATION AND POWER OF ATTORNEY (continued)
ADDITIONAL INVENTORS:

(3) INVENTOR'S SIGNATURE:

Date:

Name	Theo		Tervoort
	First	Middle Initial	Family Name
Residence	Zurich	Switzerland	The Netherlands
	City	State/Foreign Country	Country of Citizenship
Mailing Address	Culmannstrasse 27, CH-8006 ,Zurich, Switzerland		

(4) INVENTOR'S SIGNATURE:

Date:

Name			
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Residence			
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Mailing Address			

(5) INVENTOR'S SIGNATURE:

Date:

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Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

(6) INVENTOR'S SIGNATURE:

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Residence			
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Mailing Address			

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Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

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(10) INVENTOR'S SIGNATURE:

Date:

Name			
	First	Middle Initial	Family Name
Residence			
	City	State/Foreign Country	Country of Citizenship
Mailing Address			

**RECORDATION FORM COVER SHEET
PATENT APPLICATIONS & PATENTS ONLY**

TO THE COMMISSIONER OF THE U.S. PATENT & TRADEMARK OFFICE:

Sir:

Please record the attached original documents or copy thereof as follows:

1. NAME OF CONVEYING PARTIES [ASSIGNOR(S)]:

a. Paul Smith
c. Theo Tervoort
e.
g.

b. Jeroen Visjager
d.
f.
h.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

2. PARTIES [ASSIGNEE(S)] RECEIVING INTEREST:

NAME: Eidgenössische Technische Hochschule Zurich

ADDRESS: Rämistrasse 101, Zurich, Switzerland

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE/DOCUMENT:

<input checked="" type="checkbox"/> Assignment	Assignment of:	Conveyance document attached is a:	
<input type="checkbox"/> Change of Name			<input checked="" type="checkbox"/> Copy
<input type="checkbox"/> Other:			<input type="checkbox"/> Original <input type="checkbox"/> Certified document

Execution Date(s) on the Conveyance/Document: April 20, 2006, April 6, 2006 and May 1, 2006

Execution Date(s) on the Declaration (if filed herewith): April 30, 2006, April 6, 2006 and May 1, 2006

4. APPLICATION AND/OR PATENT NUMBER(S):

Additional sheets attached? ☐ YES ☒ NO

a. Application Number(s)	Matter No.	First Inventor	b. Patent Number(s)	Matter No.	First Inventor
10/501,936	04298105	SMITH			

**5. NAME & ADDRESS OF PARTY TO WHOM
CORRESPONDENCE CONCERNING DOCUMENT
SHOULD BE MAILED:**

Customer No. 43569
Mayer, Brown, Rowe & Maw LLP
Intellectual Property Group
1909 K Street, N.W.
Washington, D.C. 20006-1101

6. NUMBER OF PROPERTIES INVOLVED:

Applns 1 + Patents 0 = Total: 1

7. AMOUNT OF FEE DUE:

Above Total 1 x \$40 = \$ 40 (Fee Code 8021)

8. PLEASE CHARGE TO:

DEPOSIT ACCOUNT NO. 503-121

Under Order No. 121939-04298105

Client/Matter No.

9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. TOTAL NUMBER OF PAGES (including cover sheet, attachments and documents): 3

05/24/2006 LLANDGRA 00000048 503121 10501936

02 FC:8021
Richard A. Steinberg
Signature

Name of Attorney: Richard A. Steinberg
Registration No. 26,588

Date: May 19, 2006
Telephone: (202) 263-3000 / Facsimile: (202) 263-3300

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

Atty Reference: 121939-04298105

Mayer Brown Rowe & Maw LLP
Intellectual Property Group
1909 K Street, N.W.
Washington, D.C. 20006

Client Reference: PE-Sintering/US

ASSIGNMENT OF NONPROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

INSERT NAME(S) OF INVENTOR(S)	(1) Paul Smith	(2) Jeroen Visjager
	(3) Theo Tervoort	(4)
	(5)	<input type="checkbox"/> x box if continued on page 2

(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

TITLE OF
INVENTION

SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE

for which an application for Letters Patents of the United States of America:

(Note: Complete A or B)

(A) ☐ was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or
(B) ☒ was filed on July 21, 2004 as Application No. 10/501,936

AND WHEREAS,

INSERT
NAME(S) AND
ADDRESS(ES) OF
ASSIGNEE(S)

Eidgenössische Technische Hochschule Zurich
Rämistrasse 101
Zurich
Switzerland

(hereinafter "ASSIGNEE"), duly organized and existing under the laws of Switzerland, desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and

Additionally, the undersigned further authorize(s) Mayer Brown Rowe & Maw LLP, 1909 K Street, N.W., Washington, D.C. 20006, to insert hereon any further identification necessary or desirable for recordation of this document.

	INVENTORS	DATE SIGNED	WITNESSES
1) Name:	<u>Paul Smith</u>	<u>April 20, 2006</u>	<u>Emilie Smith</u>
2) Name:	<u>Jeroen Visjager</u>		<u>Emilie Smith</u>
3) Name:	<u>Theo Tervoort</u>	<u>May 1, 2006</u>	<u>Emilie Smith</u>
4) Name:			
5) Name:			

Please return signed/recorded to:

Atty Reference: 121939-04298105

Mayer Brown Rowe & Maw LLP
Intellectual Property Group
1909 K Street, N.W.
Washington, D.C. 20006

Client Reference: PE-Sintering/US

ASSIGNMENT OF NONPROVISIONAL APPLICATION

WHEREAS, the undersigned hereby:

INSERT NAME(S) OF INVENTOR(S)	(1) Paul Smith	(2) Jeroen Visjager
	(3) Theo Tervoort	(4)
	(5)	<input type="checkbox"/> x box if continued on page 2

(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

TITLE OF INVENTION	SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE
-----------------------	---

for which an application for Letters Patents of the United States of America:

(Note: Complete A or B) (A) ☐ was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or
(B) ☒ was filed on July 21, 2004 as Application No. 10/501,936

AND WHEREAS,

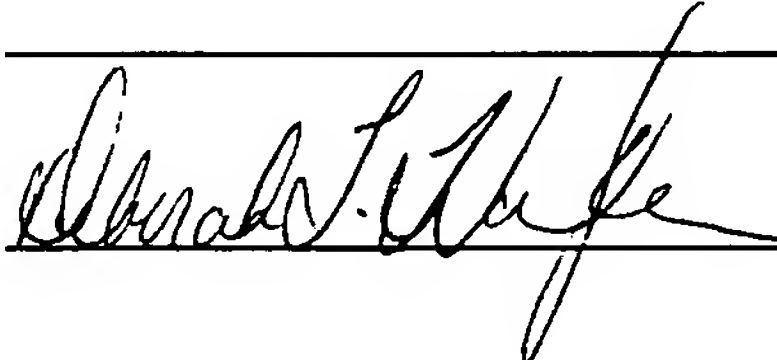
INSERT NAME(S) AND ADDRESS(ES) OF ASSIGNEE(S)	Eidgenössische Technische Hochschule Zurich
	Rämistrasse 101
	Zurich
	Switzerland

(hereinafter "ASSIGNEE"), duly organized and existing under the laws of Switzerland, desires to acquire an interest therein of the above-identified invention;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives;

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<u>INVENTORS</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
1) Name: Paul Smith		
2) Name: Jeroen Visjager	06 / April / 2006	
3) Name: Theo Tervoort		
4) Name:		
5) Name:		